

## INDUCTIVE DEVICE AND METHODS FOR ASSEMBLING SAME

### ABSTRACT OF THE DISCLOSURE

5        An inductive device (200) that includes a core (210) configured so as to be  
a closed loop and at least one coil (220) around the core, and methods for  
assembly. The coil is formed from a material having a cross-section with an  
aspect ratio of a first dimension to a second adjacent dimension, with the first  
dimension being longer than the second dimension, wherein the coil is  
10    positioned around the core such that the first dimension is essentially normal to  
the core. In one embodiment the core includes a removable core section to  
enable assembly of the inductive device by slidably placing the coil onto the  
core through an opening formed in the core by removing the core section. In  
another embodiment, the coil is rotated to cause it to wind around the core.

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